VTK-CAN-06

SAE J1939 Module

Main Features

- SAE J1939/ISO 15765-4 OBD/OBDII protocol supported
- mini-PCIe form factor for easy & quick installation
- Alternative USB interface (signal shared with mini-PCIe)
- Compliant with CAN 2.0A/B, according to ISO 11898-1 and ISO 11898-2
- Support bit rate up to 1Mbit/s
- Wide-range operating temperature
- ESD and electrical ioslated protection

Product Overview

VTK-CAN-06 module is a one-port high-speed CAN bus interface for USB. With mini-PCIe form factor design and a built-in 4-pin wafer by USB signal, it is easy and quick installation on any device to communicate with the vehicle ECU. It complies with standard CAN 2.0A and CAN 2.0B according to ISO 11898-1, ISO 11898-2 with bit rate up to 1Mbit/s and followed by SAE J1939/ISO 15765-4 protocol. To satisfy server vehicles environments, VTK-CAN-06 can be operated on a wide-range operating temarature from -40°C to 85°C. Besides, it is built-in electrical isolation of 2.25KV and ESD level ± 8KV /15KV(contact/air) according to IEC 61000-4-2 to protect the system.

Specifications

Form Factor

- mini-PCIe form factor

PC Interface

- USB 2.0 (VCP, baud rate default 9.6kbps)

I/O Connector

- 4-Pin wafer connector (USB 2.0 I/F)
- DB9 connector for CAN 2.0A/B (w/ an external cable)

SAE J1939/ISO 15765-4

- Fully compatible with the ELM327 AT command set
- UART interface (baud rates from 38 bps to 10 Mbps)
- Support for SAE J1939/ISO 15765-4 OBD/OBDII protocol
- Automatic protocol detection algorithm

Dimension

- 51mm (L) x 30mm (W) (2.01" x 1.18")
- Weight: 13g

Environment

- Operating Temperatures: -40 ~ 85°C
- Storage Temperatures: -40 ~ 90°C
- Related Humidity (with system chassis): 5% ~ 90%

Electrical Protection

- IEC 61000-4-2 Electrostatic Discharge (ESD): ± 8KV /15KV(contact/air)
- Isolation protection : 2.25KV

VCP Driver

- PL2303HXC
- Windows XP/7/8/10, Android 3.2 (above)
- Linux kernel 3.x (above)

Ordering Information

- **VTK-CAN-06 (P/N: 10VK00CAN07X0)**
  1 x CAN 2.0A/B with SAE J1939, full-size mini-PCIe form factor, USB 2.0 interface, DB9 cable